

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	server.clm. and client.clm. and "data formats".clm. and stor\$3.clm. and cop\$3.clm. and validat\$4.clm. and user\$1.clm. and interface.clm. and access.clm. and request.clm. and pointer.clm. and "updated copy".clm. and source.clm.	USPAT	OR	OFF	2006/03/02 19:38
L2	0	server\$1 and client\$1 and "data formats" and stor\$3 and cop\$3 and validat\$4 and user\$1 and interface and access and request and pointer and "updated copy" and source	USPAT	OR	OFF	2006/03/02 19:40
L3	0	server\$1 and client\$1 and "data format" and stor\$3 and cop\$3 and validat\$4 and user\$1 and interface and access and request and pointer and "updated copy" and source	USPAT	OR	OFF	2006/03/02 19:40
L4	12	server\$1 and client\$1 and stor\$3 and cop\$3 and validat\$4 and user\$1 and interface and access and request and pointer and "updated copy" and source	USPAT	OR	OFF	2006/03/02 19:40
L5	22	server\$1 and client\$1 and stor\$3 and cop\$3 and validat\$4 and user\$1 and interface and access and request and pointer and "updated copy" and source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:40
L6	1	726/31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:41
L7	14329	713/201 or 726/26 or 713/193 or 713/187 or 380/200 or 380/202 or 705/18 or 705/57 or 705/58 or 399/366 or 455/26.1 or 700/225 or 700/227 or 711/163 or 711/164 or 327/545 or 327/546 or 714/763	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:46

## EAST Search History

L8	14329	7 or 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:46
L9	1	8 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:47
L10	0	"bate.inv" and matthew	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:47
L11	0	"bate.inv" and matthew	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:48
L12	2	connelly.inv. and joanna	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:48
L13	467	bate.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:48
L14	2	13 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/02 19:48



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Best 200 shown

### 1 [The state of the art in distributed query processing](#)



Donald Kossmann

December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4

**Publisher:** ACM Press

Full text available: [pdf\(455.39 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [inc](#)

Distributed data processing is becoming a reality. Businesses want to do it for many reasons, in order to stay competitive. While much of the infrastructure for distributed data processing is already in place (network technology), a number of issues make distributed data processing still a complex undertaking. Systems can become very large, involving thousands of heterogeneous sites including PCs and servers, and machines; (2) the state of the art in distributed query processing.

**Keywords:** caching, client-server databases, database application systems, dissemination-based economic models for query processing, middleware, multitier architectures, query execution, query replication, wrappers

### 2 [Tools: The Georgia Tech Network Simulator](#)



George F. Riley

August 2003 **Proceedings of the ACM SIGCOMM workshop on Models, methods and tools for network research**

**Publisher:** ACM Press

Full text available: [pdf\(115.27 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [inc](#)

We introduce a new network simulation environment, developed by our research group, called the *Simulator (GTNetS)*. Our simulator is designed specifically to allow much larger-scale simulation than can be created by existing network simulation tools. The design of the simulator very closely matches the protocol stacks and hardware. Thus, anyone with a good understanding of networking in general can use how the simulator ...

**Keywords:** Distributed Simulation, Large-Scale Simulations, Network Simulation

### 3 [Formalising Java RMI with explicit code mobility](#)



Alexander Ahern, Nobuko Yoshida

October 2005 **ACM SIGPLAN Notices , Proceedings of the 20th annual ACM SIGPLAN conference on oriented programming systems languages and applications OOPSLA '05**, Volume 40

**Publisher:** ACM Press

Full text available:  [pdf\(293.03 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a Java-like core language with primitives for object-oriented distribution and We apply our formulation to prove the correctness of several optimisations for distributed programs captures crucial but often hidden aspects of distributed object-oriented programming, including dynamic class downloading and remote method invocation. It is defined in terms of an operational model that concisely models the behaviour of ...

**Keywords:** Java, RMI, code mobility, distribution, optimisation, runtime, types

4 [Labels and event processes in the asbestos operating system](#)

 Petros Efstathopoulos, Maxwell Krohn, Steve VanDeBogart, Cliff Frey, David Ziegler, Eddie Kohler, Kaashoek, Robert Morris

October 2005 **ACM SIGOPS Operating Systems Review , Proceedings of the twentieth ACM Operating systems principles SOSP '05**, Volume 39 Issue 5

**Publisher:** ACM Press

Full text available:  [pdf\(258.58 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Asbestos, a new prototype operating system, provides novel labeling and isolation mechanisms to study the effects of exploitable software flaws. Applications can express a wide range of policies with Asbestos label mechanism, including controls on inter-process communication and system-wide information flow. Process abstraction provides lightweight, isolated contexts within a single process, allowing the behavior of multiple users while ...

**Keywords:** event processes, information flow, labels, mandatory access control, secure web services

5 [Structuring QoS-supporting services with smart proxies](#)

Rainer Koster, Thorsten Kramp

April 2000 **IFIP/ACM International Conference on Distributed systems platforms**


**Publisher:** Springer-Verlag New York, Inc.

Full text available:  [pdf\(271.48 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)


While middleware platforms have been established in best-effort environments nowadays, supporting QoS-aware services is still found lacking. More specifically, due to the high diversity of QoS requirements, supporting QoS-unaware services cannot be maintained and the developer has to face the difficulties of heterogeneous environments again. In this paper, we therefore propose the notion of *smart proxies* for making it ...

6 [Managing the software design documents with XML](#)

 Junichi Suzuki, Yoshikazu Yamamoto

September 1998 **Proceedings of the 16th annual international conference on Computer doc**


**Publisher:** ACM Press

Full text available:  [pdf\(1.09 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** CASE data interchange, UML, XML, software model interchange

7 [Services: Secure authentication system for public WLAN roaming](#)

 Yasuhiko Matsunaga, Ana Sanz Merino, Takashi Suzuki, Randy H. Katz

September 2003 **Proceedings of the 1st ACM international workshop on Wireless mobile applications on WLAN hotspots**

**Publisher:** ACM Press

Full text available:  [pdf\(248.60 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A serious impediment for seamless roaming between independent wireless LANs (WLANs) is how various WLAN service providers, each having different trust relationships with individuals and enterprises, implement authentication schemes which may vary from one provider to the next. We have designed and implemented a comprehensive single sign-on (SSO) authentication architecture that confederates WLAN service providers and trusted identity providers. Users select the app ...

**Keywords:** authentication, hotspot, link layer security, policy control, roaming, single sign-on,

## 8 [Data access for the masses through OLE DB](#)




José A. Blakeley

June 1996

**ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data SIGMOD '96**, Volume 25 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(1.24 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an overview of OLE DB, a set of interfaces being developed at Microsoft which enable applications to have uniform access to data stored in DBMS and non-DBMS information containing data. It is able to take advantage of the benefits of database technology without having to transfer data from non-DBMS to DBMS. Our approach consists of defining an open, extensible Collection of interfaces that factor out common, orthogonal, reusable portions ...

## 9 [Proxy compilation of dynamically loaded Java classes with MoJo](#)



Matt Newsome, Des Watson

June 2002

**ACM SIGPLAN Notices , Proceedings of the joint conference on Languages, Compilers, and Embedded Systems: software and compilers for embedded systems LCTES/SOSP '02**, Volume 37 Issue 7

**Publisher:** ACM Press

Full text available:  [pdf\(358.62 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Interest in Java implementations for resource-constrained environments such as embedded systems has been driven by concerns regarding its efficiency. Current native compilers for Java offer dramatic increases in performance but poor support for dynamically-loaded classes, which are typically served by slow interpreters or just-in-time compilers. The size of this latter utterly mismatching the resource constraints of the system. After a brief survey of existing compilers for Java, we present ...

**Keywords:** AOT, JIT, adaptive compilation, ahead-of-time, dynamic class loading, hotspot, just-in-time compilation, proxy compilation, remote compilation

## 10 [Managing persistent objects in a multi-level store](#)




Michael Stonebraker

April 1991

**ACM SIGMOD Record , Proceedings of the 1991 ACM SIGMOD international conference on Management of data SIGMOD '91**, Volume 20 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(1.10 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 11 [Innovative technologies of e-commerce: An exploratory study of using a user remote tracking system to analyze users' personality traits](#)



Shuk Ying Ho

August 2005

**Proceedings of the 7th international conference on Electronic commerce ICE '05**

**Publisher:** ACM Press


Full text available:  [pdf\(392.38 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many online firms are investing money in various means and methods to track online customers; analyze their characteristics and their web behaviours. With better understanding of the navigational patterns, firms can provide breakthrough customer service. Currently, there are numerous frameworks ready to help firms achieve their dream to understand their customers. However, these frameworks are limited to server-side data mining. If firms lose their customers' footprints, they lose their customers' footprints ...

**Keywords:** data mining, electronic commerce, personality traits, tracker, web mining

## 12 A framework for collaborative and distributed web-based design

 Gangadhar Konduri, Anantha Chandrakasan  
June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation**

**Publisher:** ACM Press

Full text available:  pdf(1.03 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 13 Distributed operating systems

 Andrew S. Tanenbaum, Robbert Van Renesse  
December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(5.49 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Distributed operating systems have many aspects in common with centralized ones, but they also have many differences. This paper is intended as an introduction to distributed operating systems, and especially to current research about them. After a discussion of what constitutes a distributed operating system and how it is implemented on a computer network, various key design issues are discussed. Then several examples of current research are examined in some detail ...

## 14 IP<sup>2</sup> -- a generic proxy platform for wireless access and mobility in CORBA

 Rainer Ruggaber, Jochen Seitz, Michael Knapp  
July 2000 **Proceedings of the nineteenth annual ACM symposium on Principles of distributed systems**

**Publisher:** ACM Press


Full text available:  pdf(815.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Distributed applications in a wireless environment often suffer from sudden connection losses. Fluctuating bandwidth and high error rates may affect data transmission so that traditional Internet protocols exhibit unwanted behaviour. However, one of today's most popular middleware architectures, namely the Request Broker Architecture CORBA, is built on top of TCP. Hence, its extension into the wireless environment has to be carefully designed. This paper ...

## 15 Client-server computing

 Alok Sinha  
July 1992 **Communications of the ACM**, Volume 35 Issue 7

**Publisher:** ACM Press

Full text available:  pdf(7.53 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

**Keywords:** client-server computing

## 16 Ace: a language for parallel programming with customizable protocols

Mukund Raghavachari, Anne Rogers  
August 1999 **ACM Transactions on Computer Systems (TOCS)**, Volume 17 Issue 3



**Publisher:** ACM Press

Full text available: pdf(297.50 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Customizing the protocols that manage accesses to different data structures within an application substantially improves the performance of software shared-memory programs. Existing systems for using custom protocols are hard to use directly because the mechanisms they provide for manipulating protocols are low-level. This is an in-depth study of the issues involved in providing language support for application-specific protocol design and implementation ...

**Keywords:** parallel processing

**17** Rover: a toolkit for mobile information access



A. D. Joseph, A. F. de Lespinasse, J. A. Tauber, D. K. Gifford, M. F. Kaashoek

December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM Operating systems principles SOSP '95**, Volume 29 Issue 5

**Publisher:** ACM Press

Full text available: pdf(2.18 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**18** Systems Issues: Rajicon:: remote PC GUI operations via constricted mobile interfaces



Norman Makoto Su, Yutaka Sakane, Masahiko Tsukamoto, Shojiro Nishio

September 2002 **Proceedings of the 8th annual international conference on Mobile computing and its applications**

**Publisher:** ACM Press

Full text available: pdf(1.18 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As of now, it is not uncommon for one to use multiple computers in separate places such as at a number of applications currently exist to allow a user to easily access and control these computer notebook computer or web page. Unfortunately, even with such solutions, it is rather inconvenient accessing your computer while walking downtown or riding a train. On the other hand, consider have been accepted as multi- ...

**Keywords:** GUI, cellular phone, mobile device, remote access

**19** Remote evaluation



James W. Stamos, David K. Gifford

October 1990 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 12 Issue 4

**Publisher:** ACM Press

Full text available: pdf(2.52 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A new technique for computer-to-computer communication is presented that can increase the performance of distributed systems. This technique, called remote evaluation, lets one computer send another computer a program. A computer that receives such a request executes the program in the request and returns the result to the sending computer. Remote evaluation provides a new degree of flexibility in the design of distributed systems ...

**20** Design of the Mneme persistent object store



J. Eliot B. Moss

April 1990 **ACM Transactions on Information Systems (TOIS)**, Volume 8 Issue 2

**Publisher:** ACM Press

Full text available: pdf(3.22 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Mneme project is an investigation of techniques for integrating programming language and provide better support for cooperative, information-intensive tasks such as computer-aided software development ...